

BURGLAR ALARM SYSTEM HAVING REDUCED WIRING

ABSTRACT

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5 Normal hard-wired domestic burglar alarms have cables with
six conductors extending between the alarm control panel
and each event sensor (such as a PIR). Two of the
conductors might provide current to a motion detector, two
of the conductors might provide a circuit for a tamper
10 switch, and two of the conductors might provide a circuit
for a tamper switch, and two of the conductors might
provide an indication of the motion detected by the motion
detector. Wiring costs are reduced in the present
invention by providing only two conductors which work to
15 provide all of the functions of a six-conductor cable. To
attach the two-conductor cable to a six-point terminal on
the control panel, a special signal accessor and separator
circuit is provided with six contacts to attach to the
control panel terminals and two terminals for connecting
20 to the conductor cable.